

### **REMARKS**

This Supplemental After Final Amendment is submitted to supplement Applicants' After Final Amendment mailed on November 23, 2010, and is further submitted in response to the Advisory Action mailed on December 1, 2010. In view of the foregoing amendments, as well as the following remarks, Applicants respectfully submit that this application is in complete condition for allowance and requests reconsideration of the application in this regard.

Applicants have filed herewith a Request for Continued Examination so that Applicants' After Final Amendment filed on November 23, 2010 and Supplemental After Final Amendment will be entered and considered by the Examiner.

In the Advisory Action, the Examiner stated that no patentable weight was given to the preamble of independent claim 18 as presented in the After Final Amendment mailed on November 23, 2010 since "a radiation sensor" was not mentioned in the body of the claim. In response thereto, Applicants have amended independent claim 18 herein to now recite "a radiation sensor element" in the body of the claim as requested by the Examiner. Accordingly, the claimed "radiation sensor" is indeed now entitled to patentable weight.

As previously argued by Applicants, *Wienand et al.* is not directed to a radiation sensor, but rather to an electrical resistor that provides a temperature-dependent measuring resistance. Such resistors are entirely different than a radiation sensor as claimed since resistors are passive devices that require either a voltage or

current to be applied for obtaining a temperature measurement. Radiation sensors, on the other hand, are active devices that generate a voltage upon radiation incidence.

As also previously argued by Applicants, the device of *Wienand et al.* is entirely different in many respects to the radiation sensor recited in independent claim 18 since the substrate of the *Wienand et al.* device comprises metal which is in stark contrast to the silicone and/or GaAs and/or semiconductor material recited for the support in independent claim 18.

Also, the etching process in *Wienand et al.* is a wet chemical free etching, whereas independent claim 18 recites that the cavity is formed through dry etching.

Moreover, *Wienand et al.* teaches a rectangular cavity, whereas independent claim 18 recites a cavity having a round or oval contour.

Since *Wienand et al.* is directed to an entirely different type of device, and further as it actually teaches away from Applicants' claimed invention as recited in independent claim 18, Applicants submit that the outstanding rejection of independent claim 18 must fail and should be withdrawn.

As previously argued by Applicants, the other prior art of record fails to cure the glaring deficiency of *Wienand et al.* For the reasons set forth above, and for the reasons fully developed in Applicants' After Final Amendment mailed on November 23, 2010, Applicants submit that each of pending claims 18-29, 31 and 32 recites a combination of elements not fairly taught or suggested by the prior art of record, and the rejections should be withdrawn.

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Amendment Dated 12/21/10  
Reply to Office Action of 7/23/10

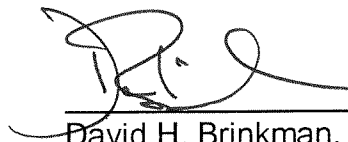
### **CONCLUSION**

In view of the foregoing response including the amendments and remarks, this application is submitted to be in complete condition for allowance and early notice to this affect is earnestly solicited. If there is any issue that remains which may be resolved by telephone conference, Examiner is invited to contact the undersigned in order to resolve the same and expedite the allowance of this application.

Please see the electronic fee calculation sheet for the charge in the amount of \$360 for the two months extension fee as required by 37 C.F.R. §1.17(a)(2) (this is minus the one month extension fee paid on November 23, 2010) and for the charge in the amount of \$810 for the Request for Continued Examination fee as required by 37 C.F.R. §1.17(e). If any other fees are necessary, the Commissioner is hereby authorized to charge any underpayment or fees associated with this communication or credit any overpayment to Deposit Account No. 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

A handwritten signature in black ink, appearing to be 'D. Brinkman', written over a horizontal line.

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